

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The bill provides \$535,503,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund, to include \$116,446,000 for Paducah, \$200,224,000 for Portsmouth, \$208,883,000 for Oak Ridge, and \$10,000,000 for the Title X uranium and thorium reimbursements program.

SCIENCE

The bill provides \$4,772,636,000 for Science. *High Energy Physics.*—The bill provides \$795,726,000 for this program. Within this amount, \$27,766,000 is provided for the NuMI Off-Axis Neutrino Appearance Detector, a reduction of \$9,234,000 from the request in recognition of funding provided in Public Law 110-252, and \$3,200,000 is provided for EXO 200 neutrinoless double beta decay experiments to complete construction in 2009. The control level is at the High Energy Physics level.

Nuclear Physics.—The bill provides \$512,080,080 for this program. Within this amount, \$24,900,000 is provided for the Research Isotope Production and Applications program, and within these funds \$5,000,000 is provided for the Research Isotope Development and Production Subprogram to develop and implement a research production strategy consistent with the National Academy of Sciences study entitled "State of the Science of Nuclear Medicine." Consistent with the cost-sharing requirements of Public Law 101-101, the Department is directed to develop a cost recovery strategy to ensure the long-term viability of the isotope production program. The Department is directed to complete a study on the feasibility of using the University of Missouri Research Reactor to supply up to half the U.S. demand for feedstock medical imaging compounds in the form of molybdenum-99 and technetium-99. The control level is at the Nuclear Physics level.

Biological and Environmental Research.—The bill provides \$601,540,000 for this program. This area of the Office of Science encompasses two distinct research efforts whose funding is provided in separate subaccounts: using biology to address energy production

and environmental remediation and a combination of climate and ecosystem modeling, field research, and radiation monitoring as part of the Climate Change Research Program. The Department is directed to manage these programs as independent subaccounts and component activities of the Office of Science.

Biological Research.—The bill provides \$423,613,000 for this program. Within this amount, \$23,121,000 is for Radiochemistry and Instrumentation including \$17,500,000 for nuclear medicine medical application research. All of the \$10,000,000 provided above the request must be awarded competitively in one or more solicitations that include all sources: universities, the private sector, and government laboratories.

Climate Change Research.—The bill provides \$177,927,000 for this program. The increase provides an additional \$2,500,000 for competitively selected climate modeling research, an additional \$500,000 for Climate Change Mitigation, and \$20,000,000 for enhanced predictive modeling, improved integration of ground and space-based climate monitoring data, and development of decision analysis tools at National Nuclear Security Administration laboratories.

Basic Energy Sciences.—The bill provides \$1,571,972,407 for this program. Within this amount, \$17,000,000 is provided for the Experimental Program to Stimulate Competitive Research (EPSCoR). Full funding is provided to support the operations of the major scientific user facilities and the five Nanoscale Science Research Centers, as well as additional instrumentation for the Spallation Neutron Source and the Linac Coherent Light Source. The control level is at the Basic Energy Sciences level.

Advanced Scientific Computing Research.—The bill provides \$368,820,000 for this program. The control level is at the Advanced Scientific Computing Research level.

Fusion Energy Sciences.—The bill provides \$402,550,000 for this program. Within this amount, \$208,690,000 is provided for Facility Operations with \$36,361,000 for the DIII-D, \$15,977,000 for the Alcator C-Mod, \$29,774,000 for NSTX, no funds for NCSX, and \$124,000,000

for ITER, and \$64,404,000 is provided for Alternative Concept Experimental Research with \$16,690,000 for Experimental Plasma Research and no funds for NCSX. The control level is at the Fusion Energy Sciences level.

Science Laboratories Infrastructure.—The bill provides \$145,380,000 for this program. Within this amount: \$24,844,000 is provided for Excess Facilities Disposal and of this amount the Department is directed to transfer \$10,000,000 from the Office of Science to the Non-Defense Environmental Cleanup account for cleanup efforts at Argonne National Lab; \$52,775,000 is provided for the Physical Sciences Facility at the Pacific Northwest National Laboratory, and the Under Secretary of Science is expected to take the lead in ensuring that contributions from all parties are coordinated and will be sufficient to complete the facility; \$11,759,000 is provided for multiprogram energy laboratories infrastructure projects and \$2,500,000 of this amount is to support improvements to the Scientific and Technical Information Facility.

Safeguards and Security.—The bill provides \$80,603,000 for this program.

Science Workforce Development.—The bill provides \$13,583,000 for this program.

Science Program Direction.—The bill provides \$186,695,000 for this program. Within this amount, \$8,916,000 is provided for the Office of Scientific and Technical Information. No funding is provided to increase the manpower of the Office of Science. The control level is at the Science Program Direction level.

Advanced Research Projects Agency—Energy.—The bill provides \$15,000,000 to establish the Advanced Research Projects Agency—Energy within the Department, as authorized by section 5012 of the America COMPETES Act (P. L. 110-69).

Use of prior year balances.—The Department is directed to use \$15,000,000 in prior year balances to off-set new funding provided for the Office of Science.

Congressionally Directed Projects.—The bill provides \$93,686,593 for congressionally directed projects.

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT

ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600
ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900
ANTIBODIES RESEARCH (ND)	\$2,616,625
BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200
BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250
BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750
BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750
BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500
CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900
CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304
CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500
CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000
CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625
CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000
CHEMISTRY BUILDING RENOVATION (MI)	\$475,750
CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250
CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500
CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600
COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250
CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475
CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750
DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250
EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500
FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250
FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500
FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375
FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500
GEORGE MASON UNIVERSITY -- NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DISEASE (VA)	\$1,427,250
HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750
IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500
IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639
INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750
INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIOCHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600
INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900
LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500
LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500
MARINE SYSTEMS RESEARCH (MA)	\$475,750
MARYGROVE COLLEGE MATTERS (MI)	\$190,300

CONGRESSIONALLY DIRECTED SCIENCE PROJECTS

PROJECT

MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500
MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500
MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475
MIND INSTITUTE (NM)	\$11,418,000
NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625
NEUROSCIENCE RESEARCH (IL)	\$475,750
NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750
NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000
PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750
PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175
PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500
RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250
REGENERATIVE MEDICINE (IL)	\$475,750
RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250
RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500
SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500
SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500
SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500
SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750
SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500
SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500
ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900
SUPERCAPACITORS (NY)	\$1,427,250
SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250
THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625
ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500
UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000
UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500
URI CYBERINFRASTRUCTURE (RI)	\$951,500
WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Natural Gas Technologies.....	19,818	---	20,000	+182	+20,000
Petroleum - Oil Technologies.....	4,954	---	5,000	+46	+5,000
Program direction.....	148,597	126,252	152,000	+3,403	+25,748
Plant and Capital Equipment.....	12,882	5,000	18,000	+5,118	+13,000
Fossil energy environmental restoration.....	9,483	9,700	9,700	+217	---
Special recruitment programs.....	650	656	656	+6	---
Cooperative research and development.....	4,954	---	5,000	+46	+5,000
Congressionally directed projects.....	48,118	---	43,864	-4,254	+43,864
Use of prior year balances.....	---	-11,310	-70,310	-70,310	-59,000
TOTAL, FOSSIL ENERGY RESEARCH AND DEVELOPMENT....	742,838	754,030	876,320	+133,482	+122,290
NAVAL PETROLEUM AND OIL SHALE RESERVES.....	20,272	19,099	19,099	-1,173	---
STRATEGIC PETROLEUM RESERVE.....	186,757	346,923	205,000	+18,243	-141,923
Use of prior year balances.....	---	-2,923	---	---	+2,923
TOTAL, STRATEGIC PETROLEUM RESERVE.....	186,757	344,000	205,000	+18,243	-139,000
NORTHEAST HOME HEATING OIL RESERVE.....	12,335	9,800	9,800	-2,535	---
ENERGY INFORMATION ADMINISTRATION.....	95,460	110,595	110,595	+15,135	---
NON-DEFENSE ENVIRONMENTAL CLEANUP					
West Valley Demonstration Project.....	53,900	57,600	65,500	+11,600	+7,900
Fast Flux Test Reactor Facility (WA).....	10,248	10,755	10,755	+507	---
Gaseous Diffusion Plants.....	37,773	81,296	---	-37,773	-81,296
Operating expenses.....	---	---	48,296	+48,296	+48,296
02-U-101, Depleted uranium hexafluoride conversion facility.....	---	---	33,000	+33,000	+33,000
Total, Gaseous Diffusion Plants.....	37,773	81,296	81,296	+43,523	---
Small Sites:					
Argonne National Lab.....	433	459	9,479	+9,046	+9,020
Transfer from Science.....	---	---	10,000	+10,000	+10,000
Transfer from NNSA.....	---	---	10,000	+10,000	+10,000
Subtotal, Argonne National Lab.....	433	459	29,479	+29,046	+29,020
Brookhaven National Lab.....	28,438	8,433	8,433	-20,005	---
Idaho National Lab.....	5,351	4,400	13,478	+8,127	+9,078
Consolidated Business Center:					
California Site support.....	158	187	187	+29	---
Inhalation Toxicology Lab.....	423	---	---	-423	---
Stanford Linear Accelerator Center.....	5,846	4,883	4,883	-963	---
Energy Technology Engineering Center.....	12,882	12,533	15,000	+2,118	+2,467
Los Alamos National Lab.....	1,888	1,905	1,905	+17	---
Moab.....	23,734	30,513	40,699	+16,965	+10,186
Tuba City.....	---	---	5,000	+5,000	+5,000
Completed sites administration and support.....	1,189	1,100	1,100	-89	---
Subtotal, Consolidated Business Center.....	46,120	51,121	68,774	+22,654	+17,653
Funding from Science, NNSA.....	---	---	-20,000	-20,000	-20,000
Subtotal, Small Sites.....	80,342	64,413	100,164	+19,822	+35,751
Use of Prior year balances.....	---	-653	-653	-653	---
Congressionally directed projects.....	---	---	4,757	+4,757	+4,757
TOTAL, NON-DEFENSE ENVIRONMENTAL CLEANUP.....	182,263	213,411	261,819	+79,556	+48,408
URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND					
Decontamination and decommissioning.....	602,344	480,333	525,503	-76,841	+45,170
Uranium/thorium reimbursement.....	19,818	---	10,000	-9,818	+10,000
TOTAL, UED&D FUND/URANIUM INVENTORY CLEANUP.....	622,162	480,333	535,503	-86,659	+55,170
SCIENCE					
High energy physics:					
Proton accelerator-based physics.....	373,274	419,577	410,343	+37,069	-9,234
Electron accelerator-based physics.....	78,046	48,772	48,772	-29,274	---
Non-accelerator physics.....	61,238	86,482	86,482	+25,244	---
Theoretical physics.....	56,391	63,036	63,036	+6,645	---
Advanced technology R&D.....	119,368	187,093	187,093	+67,725	---

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2008 Enacted	FY 2009 Request	This Bill	This Bill vs. Enacted	This Bill vs. Request
Total, High energy physics.....	688,317	804,980	795,726	+107,409	-9,234
Nuclear physics.....	415,187	479,019	481,019	+65,832	+2,000
Construction					
07-SC-02 Electron beam ion source Brookhaven National Laboratory, NY.....	4,162	2,438	2,438	-1,724	---
06-SC-01 Project engineering and design (PED) 12 GeV continuous electron beam accelerator facility upgrade, Thomas Jefferson National Accelerator facility (was project 07-SC-001), Newport News, VA.....	13,377	28,623	28,623	+15,246	---
Total, Nuclear physics.....	432,726	510,080	512,080	+79,354	+2,000
Biological and environmental research:					
Biological research.....	407,530	413,613	423,613	+16,083	+10,000
Climate change research.....	136,867	154,927	177,927	+41,060	+23,000
Total, Biological and environmental research....	544,397	568,540	601,540	+57,143	+33,000
Basic energy sciences:					
Research:					
Materials sciences and engineering research.....	946,403	1,125,579	1,129,391	+182,988	+3,812
Chemical sciences, geosciences and energy biosciences.....	230,234	297,113	297,113	+66,879	---
Subtotal, Research.....	1,176,637	1,422,692	1,426,504	+249,867	+3,812
Construction:					
08-SC-01 Advanced light source (ALS) user support building, LBNL, CA.....	4,954	11,500	11,500	+6,546	---
08-SC-10 Project engineering and design (PED) Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....	941	---	---	-941	---
08-SC-11 Photon ultrafast laser science and engineering (PULSE) building renovation, SLAC, CA.....	6,391	3,728	3,728	-2,663	---
07-SC-06 Project engineering and design (PED) National Synchrotron light source II (NSLS-II)...	29,727	93,273	93,273	+63,546	---
05-R-320 LINAC coherent light source (LCLS).....	50,889	36,967	36,967	-13,922	---
05-R-321 Center for functional nanomaterials (BNL)	363	---	---	-363	---
Subtotal, Construction.....	93,265	145,468	145,468	+52,203	---
Total, Basic energy sciences.....	1,269,902	1,568,160	1,571,972	+302,070	+3,812
Advanced scientific computing research.....	351,173	368,820	368,820	+17,647	---
Fusion energy sciences program.....	286,548	493,050	402,550	+116,002	-90,500
Science laboratories infrastructure:					
Laboratories facilities support:					
Infrastructure support:					
Payment in lieu of taxes.....	1,506	1,385	1,385	-121	---
Excess facilities disposal.....	8,748	14,844	24,844	+16,096	+10,000
Oak Ridge landlord.....	5,033	5,079	5,079	+46	---
Subtotal, Infrastructure support.....	15,287	21,308	31,308	+16,021	+10,000
Construction:					
09-SC-72 Seismic life-safety, modernization and replacement of general purpose buildings Phase 2, PED/Construction, LBNL.....	---	12,495	12,495	+12,495	---
09-SC-73, Interdisciplinary science building Phase 1, PED, BNL.....	---	8,240	8,240	+8,240	---
09-SC-74, Technology and engineering development facilities PED, TJNAF.....	---	3,700	3,700	+3,700	---
08-SC-71 Modernization of laboratory facilities PED, ORNL.....	---	14,103	25,103	+25,103	+11,000
07-SC-05 Physical science facilities, PNNL.....	---	41,155	52,775	+52,775	+11,620
03-SC-001 Science laboratories infrastructure MEL-001 Multiprogram energy laboratory infrastructure projects, various locations....	49,574	9,259	11,759	-37,815	+2,500
Subtotal, Construction.....	49,574	88,952	114,072	+64,498	+25,120

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Total, Science laboratories infrastructure.....	64,861	110,260	145,380	+80,519	+35,120
Safeguards and security.....	75,946	80,603	80,603	+4,657	---
Science program direction:					
Headquarters.....	75,525	82,846	75,525	---	-7,321
Office of Science and Technical Information.....	---	8,916	8,916	+8,916	---
Field offices.....	102,254	112,151	102,254	---	-9,897
Total, Science program direction.....	177,779	203,913	186,695	+8,916	-17,218
Workforce development for teachers and scientists.....	8,044	13,583	13,583	+5,539	---
Advanced Research Projects Agency - Energy (ARPA-E)....	---	---	15,000	+15,000	+15,000
Congressionally directed projects.....	123,623	---	93,687	-29,936	+93,687
Subtotal, SCIENCE.....	4,023,316	4,721,969	4,787,636	+764,320	+65,667
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Use of prior year balances.....	---	---	-15,000	-15,000	-15,000
Less security charge for reimbursable work.....	-5,605	---	---	+5,605	---
TOTAL, SCIENCE.....	4,017,711	4,721,969	4,772,636	+754,925	+50,667
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NUCLEAR WASTE DISPOSAL					
Repository program.....	117,906	172,388	68,552	-49,354	-103,836
Program direction.....	69,363	74,963	74,963	+5,600	---
Congressionally directed projects.....	---	---	1,855	+1,855	+1,855
TOTAL, NUCLEAR WASTE DISPOSAL.....	187,269	247,371	145,380	-41,879	-101,981
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TITLE 17 - INNOVATIVE TECHNOLOGY GUARANTEE PROGRAM					
Administrative operations.....	5,459	19,880	19,880	+14,421	---
Offsetting collection.....	-1,000	-19,880	-19,880	-18,880	---
Advance appropriation (P. L. 110-161).....	42,000	25,000	25,000	-17,000	---
Proposed change in subsidy cost.....	---	355,000	440,000	+440,000	+85,000
TOTAL, TITLE 17 - INNOVATIVE TECHNOLOGY GUARANTEE PROGRAM.....	46,459	380,000	465,000	+418,541	+85,000
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DEPARTMENTAL ADMINISTRATION					
Administrative operations:					
Salaries and expenses					
Office of the Secretary.....	5,751	5,700	5,700	-51	---
Chief Financial Officer.....	41,998	45,048	43,257	+1,259	-1,791
Management.....	65,033	67,000	67,790	+2,757	+790
Human capital management.....	27,986	31,436	31,436	+3,450	---
Chief Information Officer.....	47,106	53,738	53,738	+6,632	---
Congressional and intergovernmental affairs.....	4,733	4,700	4,700	-33	---
Economic impact and diversity.....	5,614	3,545	3,545	-2,069	---
General Counsel.....	29,889	31,233	31,233	+1,344	---
Policy and international affairs.....	18,831	19,469	19,469	+638	---
Public affairs.....	3,339	3,780	3,780	+441	---
Office of Indian Energy Policy and Programs.....	---	---	1,500	+1,500	+1,500
Subtotal, Salaries and expenses.....	250,280	265,649	266,148	+15,868	+499
Program support:					
Minority economic impact.....	829	855	855	+26	---
Policy analysis and system studies.....	621	1,000	1,000	+379	---
Environmental policy studies.....	528	531	531	+3	---
Climate change technology program (prog. supp)....	1,059	2,000	2,000	+941	---
Cybersecurity and secure communications.....	34,885	34,512	34,512	-373	---
Corporate management information program.....	28,164	27,250	27,250	-914	---
Competitive sourcing initiative (A-76).....	---	---	---	---	---
Total, Administrative operations.....	316,346	331,797	332,296	+15,950	+499
Cost of work for others.....	91,420	48,537	48,537	-42,883	---
Subtotal, DEPARTMENTAL ADMINISTRATION.....	407,766	380,334	380,833	-26,933	+499
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Department of Energy	Fossil Energy R&D	THE CENTER FOR ADVANCED SEPARATION TECHNOLOGY (KY)	\$2,854,500	Boucher, Rick; Moran, James P.	McConnell, Warner, Webb	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY COAL-DERIVED LOW ENERGY MATERIALS FOR SUSTAINABLE CON- STRUCTION PROJECT (KY)	\$951,500	Davis, Geoff	McConnell, Bunning	
Department of Energy	Fossil Energy R&D	UNIVERSITY OF KENTUCKY STRATEGIC LIQUID TRANSPORTATION FUELS DERIVED FROM COAL (KY)	\$1,379,675	Davis, Geoff; Rogers, Harold	Bunning	
Department of Energy	Fossil Energy R&D	UTAH CENTER FOR ULTRA CLEAN COAL UTILIZATION & HEAVY OIL RESEARCH (UT)	\$4,757,500	Matheson, Jim	Bennett	
Department of Energy	Fossil Energy R&D	VERSAILLES BOROUGH STRAY GAS MITIGATION	\$380,600	Doyle, Michael F.		
Department of Energy	Fossil Energy R&D	WYOMING CO2 SEQUESTRATION TESTING PROGRAM (WY)	\$856,350	Cubin, Barbara	Enzi, Barrasso	
Department of Energy	Non-Defense Environmental Cleanup	BIOINFORMATICS AND COMPUTATIONAL BIOLOGY INITIATIVE (KY)	\$951,500		McConnell	
Department of Energy	Non-Defense Environmental Cleanup	SOUTHWEST EXPERIMENTAL FAST OXIDE REACTOR DECOMMISSIONING (AR)	\$1,903,000		Lincoln, Pryor	
Department of Energy	Non-Defense Environmental Cleanup	WESTERN ENVIRONMENTAL TECHNOLOGY OFFICE (MT)	\$1,903,000	Rehberg, Dennis R.	Tester	
Department of Energy	Science	ADVANCED ARTIFICIAL SCIENCE AND ENGINEERING RESEARCH INFRASTRUCTURE (TX)	\$380,600	Hall, Ralph M.		
Department of Energy	Science	ALVERNIA COLLEGE SCIENTIFIC INSTRUMENTATION INITIATIVE (PA)	\$570,900	Gerlach, Jim		
Department of Energy	Science	ANTIBODIES RESEARCH (ND)	\$2,616,625	Pomeroy, Earl	Dorgan	
Department of Energy	Science	BARRY UNIVERSITY INSTITUTE FOR COLLABORATIVE SCIENCES RESEARCH (FL)	\$761,200	Diaz-Balart, Lincoln; Diaz-Balart, Mario	Bill Nelson	
Department of Energy	Science	BIONANOTECHNOLOGY: RESEARCH AND COMMERCIALIZATION (LA)	\$1,427,250	Alexander, Rodney	Landrieu, Vitter	
Department of Energy	Science	BIOTECHNOLOGY/FORENSICS LABORATORY (UT)	\$475,750	Cannon, Chris	Hatch, Bennett	
Department of Energy	Science	BRONX COMMUNITY COLLEGE CENTER FOR SUSTAINABLE ENERGY (NY)	\$475,750	Serrano, José		
Department of Energy	Science	BROWN UNIVERSITY, BROWN ENERGY INITIATIVE (RI)	\$951,500	Kennedy, Patrick J.		
Department of Energy	Science	CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO TWIN TOWER PROJECT (CA)	\$570,900	Baca, Joe		
Department of Energy	Science	CENTER FOR ADVANCED SCIENTIFIC COMPUTING AND MODELING (TX)	\$700,304	Burgess, Michael C.		
Department of Energy	Science	CENTER FOR CATALYSIS AND SURFACE SCIENCE AT NORTHWESTERN UNIVERSITY (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	CENTER FOR DIAGNOSTIC NANOSYSTEMS (WV)	\$1,903,000		Byrd	
Department of Energy	Science	CENTER FOR NANOMEDICINE AND CELLULAR DELIVERY, SCHOOL OF PHARMACY (MD)	\$713,625		Mikulski	
Department of Energy	Science	CENTER OF EXCELLENCE AND HAZARDOUS MATERIALS (NM)	\$1,903,000	Pearce, Stevan	Domenici	
Department of Energy	Science	CHEMISTRY BUILDING RENOVATION (MI)	\$475,750	Conyers, Jr., John; Kilpatrick, Carolyn C.	Levin	
Department of Energy	Science	CLEMSON UNIVERSITY CYBERINSTITUTE (SC)	\$1,427,250	Inglis, Bob; Spratt, Jr., John M.		
Department of Energy	Science	CLIMATE CHANGE MODELING CAPABILITY (NM)	\$4,757,500		Domenici	
Department of Energy	Science	CLINTON JUNIOR COLLEGE SCIENCE PROGRAM (SC)	\$380,600	Spratt, Jr., John M.		
Department of Energy	Science	COLLABORATIVE INITIATIVE IN BIOMEDICAL IMAGING (NC)	\$1,427,250	Hayes, Robin; Price, David E.	Dole, Burr	
Department of Energy	Science	CONTRAST MEDIA AND WOUND CLOSURE REDUCTION STUDY (MS)	\$618,475		Cochran	
Department of Energy	Science	CURRICULUM AND INFRASTRUCTURE ENHANCEMENT IN STEM (PA)	\$475,750	Sestak, Joe		
Department of Energy	Science	DECISION SUPPORT TOOLS FOR COMPLEX ANALYSIS (DSTCA) (OH)	\$1,427,250	Hobson, David L.		
Department of Energy	Science	EASTERN KENTUCKY UNIVERSITY EQUIPMENT FOR NEW SCIENCE BUILDING (KY)	\$951,500	Chandler, Ben		
Department of Energy	Science	FACILITATING BLOOD-BRAIN BARRIER RESEARCH (WA)	\$1,427,250	McDermott, Jim; Smith, Adam	Murray, Cantwell	
Department of Energy	Science	FORMER WORKERS MEDICAL SURVEILLANCE PROGRAMS (IA)	\$951,500	Loebsock, David	Harkin, Grassley	
Department of Energy	Science	FUNCTIONAL MRI RESEARCH (VT)	\$1,189,375		Leahy	
Department of Energy	Science	FUSION ENERGY SPHEROMAK TURBULENT PLASMA EXPERIMENT (FL)	\$951,500	Meek, Kendrick B.	Bill Nelson	
Department of Energy	Science	GEORGE MASON UNIVERSITY—NATIONAL CENTER FOR BIODEFENSE AND INFECTIOUS DIS- EASE (VA)	\$1,427,250	Davis, Tom; Moran, James P.		
Department of Energy	Science	HOFSTRA UNIVERSITY CENTER FOR CLIMATE STUDY (NY)	\$475,750	McCarthy, Carolyn		
Department of Energy	Science	IDAHO ACCELERATOR CENTER PRODUCTION OF MEDICAL ISOTOPES (ID)	\$951,500	Simpson, Michael K.	Craig	
Department of Energy	Science	IDAHO NATIONAL LABORATORY CENTER FOR ADVANCED ENERGY STUDIES (ID)	\$2,498,639	Simpson, Michael K.	Craig, Crapo	
Department of Energy	Science	INSTITUTE FOR INTEGRATED SCIENCES AT BOSTON COLLEGE (MA)	\$2,378,750	Markey, Edward J.; Oliver, John W.		

ENERGY AND WATER DEVELOPMENT—Continued

Agency	Account	Title	Amount	Requester(s)		
				House	Senate	Administration
Department of Energy	Science	INSTRUMENTATION AND CONSTRUCTION COSTS FOR THREE STUDENT INDEPENDENT RE-RESEARCH LABS DEDICATED TO BIOLOGY, CHEMISTRY AND BIOCHEMISTRY, AND PHYSICS AT ALBRIGHT COLLEGE IN READING (PA)	\$380,600	Gerlach, Jim		
Department of Energy	Science	INTERMOUNTAIN CENTER FOR RIVER RESTORATION AND REHABILITATION (UT)	\$570,900		Bennett	
Department of Energy	Science	LARGE SCALE APPLICATION OF SINGLE-WALLED CARBON NANOTUBES (OK)	\$951,500	Cole, Tom		
Department of Energy	Science	LUTHER COLLEGE SCIENCE BLDG. RENOVATION PROJECT (IA)	\$951,500	Latham, Tom	Grassley	
Department of Energy	Science	MARINE SYSTEMS RESEARCH (MA)	\$475,750		Kennedy, Kerry	
Department of Energy	Science	MARYGROVE COLLEGE MATTERS (MI)	\$190,300	Conyers, Jr., John		
Department of Energy	Science	MATERIALS AND ENERGY RESEARCH DEVELOPMENT (LA)	\$951,500	Jefferson, William J.	Landrieu	
Department of Energy	Science	MATTER-RADIATION INTERACTIONS IN EXTREMES (NM)	\$6,660,500		Domenici, Bingaman	
Department of Energy	Science	MICHIGAN GEOLOGICAL CARBON SEQUESTRATION RESEARCH AND EDUCATION PROGRAM (MI)	\$618,475	Upton, Fred		
Department of Energy	Science	MIND INSTITUTE (NM)	\$11,418,000		Domenici, Bingaman	
Department of Energy	Science	NATIONAL BIOREPOSITORY-NATIONWIDE CHILDREN'S HOSPITAL (OH)	\$713,625	Pryce, Deborah	Voinovich, Brown	
Department of Energy	Science	NEUROSCIENCE RESEARCH (IL)	\$475,750	Davis, Danny K.	Durbin	
Department of Energy	Science	NEXT GENERATION NEUROIMAGING AT CLEVELAND CLINIC (OH)	\$475,750	Hobson, David L.; Jones, Stephanie Tubbs	Voinovich	
Department of Energy	Science	NORTH DAKOTA STATE UNIVERSITY COMPUTING CAPABILITY (ND)	\$5,709,000	Pomeroy, Earl	Dorgan	
Department of Energy	Science	PIONEER VALLEY LIFE SCIENCES INSTITUTE BIOMEDICAL RESEARCH (MA)	\$475,750	Neal, Richard E.; Olver, John W.	Kennedy, Kerry	
Department of Energy	Science	PROFESSIONAL SCIENCE MASTER'S ADVANCED ENERGY AND FUELS MANAGEMENT PROGRAM (IL)	\$428,175	Costello, Jerry F.		
Department of Energy	Science	PURDUE CALUMET INLAND WATER INSTITUTE (IN)	\$951,500	Visclosky, Peter J.		
Department of Energy	Science	RAPID DETECTION OF CONTAMINANTS IN WATER SUPPLIES USING MAGNETIC RESONANCE AND NANOPARTICLES (MA)	\$1,427,250	Capuano, Michael E.		
Department of Energy	Science	REGENERATIVE MEDICINE (IL)	\$475,750		Durbin	
Department of Energy	Science	RESEARCH INTO PROTON BEAM THERAPY (WA)	\$1,427,250	McDermott, Jim	Murray	
Department of Energy	Science	RNAI RESEARCH, UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL, WORCESTER (MA)	\$951,500	McGovern, James P.; Olver, John W.		
Department of Energy	Science	SANDIA NANOTECHNOLOGY ENGINEERING CENTER (NM)	\$4,757,500		Domenici	
Department of Energy	Science	SCANNING NEAR-FIELD ULTRASOUND HOLOGRAPHY (SNFUH) INSTRUMENTATION FOR NON-INVASIVE AND NON-DESTRUCTIVE IMAGING OF NANOPARTICLE INTERACTION WITH CELLS (IL)	\$951,500	Lipinski, Daniel		
Department of Energy	Science	SCIENCE EDUCATION FACILITY RENOVATIONS, OCU (OH)	\$951,500	Hobson, David L.		
Department of Energy	Science	SCIENCE, MATH, AND TECHNOLOGY EDUCATION INITIATIVE, COLLEGE OF ST. ELIZABETH (NJ)	\$475,750	Frelinghuysen, Rodney P.		
Department of Energy	Science	SOUTHERN METHODIST UNIVERSITY ADVANCED PARALLEL PROCESSING CENTER (TX)	\$951,500	Sessions, Pete		
Department of Energy	Science	SPECT IMAGING INSTRUMENTATION RESEARCH INITIATIVE (IL)	\$951,500	Davis, Danny K.		
Department of Energy	Science	ST. THOMAS UNIVERSITY U-CORTE (FL)	\$570,900	Diaz-Balart, Lincoln		
Department of Energy	Science	SUPERCAPACITORS (NY)	\$1,427,250		Schumer	
Department of Energy	Science	SUSTAINABLE BIOFUELS DEVELOPMENT CENTER (CO)	\$1,427,250		Salazar	
Department of Energy	Science	THE NATIONAL ENERGY POLICY INSTITUTE, UNIVERSITY OF TULSA (OK)	\$713,625	Sullivan, John	Inhofe	
Department of Energy	Science	ULTRA-DENSE PORPHYRIM-BASED CAPACITIVE MOLECULAR MEMORY FOR SUPERCOMPUTING (CO)	\$951,500	Tancredo, Thomas G.	Allard	
Department of Energy	Science	UMASS INTEGRATIVE SCIENCE BUILDING (MA)	\$1,903,000	Olver, John W.		
Department of Energy	Science	UNIVERSITY OF THE CUMBERLANDS SCIENCE & TECHNOLOGY COMPLEX (KY)	\$951,500	Rogers, Harold		
Department of Energy	Science	URI CYBERINFRASTRUCTURE (RI)	\$951,500	Langevin, James R.		
Department of Energy	Science	WHITTIER COLLEGE SCIENCE AND MATHEMATICS INITIATIVE (CA)	\$475,750	Sánchez, Linda T.		